Honeywell Enterprise Buildings Integrator

Honeywell Enterprise Buildings Integrator (EBI) *An integrated facility management solution.*

PRODUCT FEATURES:
- Fully integrated platform for the open control of your great-and-life-safety operation at your buildings
- Provides an "enterprise view" that gives important multilevel building automation, fire and security systems
- Powerful, flexible graphics capabilities that can be customized to meet your unique requirements and preferences
- Delivers the highest performance and reliability in the industry, ensuring that your important automation system and equipment efficiency
- Features a standard user interface that is easy to learn and use
- Fully scalable from a single application and controller, to enterprise integration with multiple applications and servers distributed across the Ethernet, LAN and WAN
- Supports a wide range of popular open protocols, including BACnet, LonMark, Modbus, OPC, TCP/IP, Ethernet, Internet, Intranet, Extranet, Dial-up Networking, Microsoft Word, Excel, Access, TRENDWARE, Visio, ODBC, SQL Server and Oracle

APPLICATIONS:
- Ideal for new construction projects or operation where events to be subscribed to automatically and directly trigger events in another system, Example: Card Access

- Fire Detection System: Card reader allows the user access into the building via the entry
- Users are prevented allowing safe egress while preventing new data for maintain building security
- Intrusion Detection System: Motion detectors are armed when the last person leaves the area
- Automatically generate work orders for preventative maintenance activities, based on equipment run hours or calendar schedules
- Automatically generate work orders for corrective maintenance activities, based on alarms from building systems

Note: The document graphically represents the various systems forwarded over integrator and can be used for system design.

Go to *www.honeywell.com/ni for additional information regarding Honeywell Network Integrator.*

Go to *www.honeywell.com/ebi for additional information on the entire offering of Honeywell systems and products.*

Honeywell EBI is listed for use in the following categories:
- UL 864 UUKL Standard
- UL 1076 Proprietary Burglary Systems
- ANSI Central Station Receivers
- UL 294 Access Control Systems
- UL 1610 Central Station Units
- UL 1635 Digital Alarm Communicator System Equipment
- UL 916 - ENMS Control Station Receiving Unit
- UL 1981 Central Station Automation System
- UL 50 - ENEX Enclosures Rack Mounting Unit
- UL 2050 National Industrial Security Systems
- UL 2610 - NMFS Information Technology Equipment

- Optional Redundant Server for "Fail-Safe" security applications
- Optional UL 2050 Compliance
- Approved for Use Without Time-Of-Receipt Tracking Report per additional International approval

W7761A/B UL Listed EBI Server
Specification Data No. 5-1-99
- Rack-mount configuration
- Pentium 4 processor
- 512 MB SDRAM
- 80 GB Ultra ATA/100 hard drive
- Dual 10/100/1000 Gigabit on-board Ethernet
- Windows 2000 Server operating system
- CD/DVD/RW and NT/2000 SP4 load backup options

EBI Server and Redundancy Option
- Microsoft Operating System and dual, 2.4x3 Xeon/Intel for redundant support
- Redundancy Option: Provides a second server that will take over in the event of a failed workstation
- Specified backup software by Honeywell (see EBI Compatibility Matrix for more information)
- Tape Drive: 4 mm, 20/40 GB, DAT
- Tape Backup: 4 mm, 2 GB/4 GB, 8 GB/16 GB
- Tape Autoloader: 4 mm, 12 GB/24 GB, 24 GB/48 GB or other hundred device
- Mount gauge supplied for rail mount enclosure mounting or rack mount SMP support
- Quality assurance: ISO 9001, SAS Level 1

Open System Integration *– EBI supports multiple industry standard communication protocols to allow interoperation with existing and control from a single client workstation.*

PRODUCT FEATURES:
- Direct connection to BACnet, LonWorks, OPC, Modbus and Honeywell EBI
- Native LonWorks interface to simplify engineering and configuration of BACnet, LonWorks and OPC integrations

APPLICATIONS:
- Integrating Heating, Ventilating and Air Conditioning (HVAC) systems
- Communication Protocols
- Integrating Life Safety systems
- Integrating power management systems
- Integrating lighting control systems

CBI 5000Web Client Stations
- Web-enabled station interface
- Windows 2000 operating system
- Air-conditioned, electro-magnet
- Mouse, keyboard, and monitor options offered
- Multi-Monitor support on single client stations
- Windows 2000, Windows Server 2003 or Windows XP Pro

BACnet, ASHRAE 135, ISO/IEC 13 5
- Ethernet (ISO 8802-3)
- ARCNET (ATA 878.1)
- MS/TP master (EIA-485)
- Point-to-Point (EIA-232)
- LonTalk over IP (Annex H)

LonWorks® Network
- LonWorks Network Services (LNS)
- LonWorks Plug-in for LNS
- LNS Server Software
- LNS Client Software
- LNS Database Server

OPC
- OPC Data Access 2.0
- OPC Alarms & Events
- OPC Historical Data Access

BLC for Process Control (BPC)
- Real-time, 4 control loops per station
- Configurable control strategies

Modbus
- Modbus Serial, Modbus Plus, Modbus TCP/IP
- Modbus Master and Slave for C-Bus
- ASCII device interface and Modbus TCP support

Expanion Process Knowledge System (PKS)®

Network Sentry/Firewall +ASCTTIX Series
- Ethernet 10/100 Mbps
- Auto-sensing port speeds
- Auto-MDI/MDIX configuration

Honeywell

TCP/IP LAN, WAN, Internet & Intranet

XL-PC Network Controller W2Conf Router

XP-PC Network Controller W2Conf Router

XP-450 and XP-750 XP-950 Ringers Based Controller
- Ethernet 10/100 Mbps
- Auto-sensing port speeds
- Auto-MDI/MDIX configuration
- Web PowerPC 405 GPR processor
- 16 MB SDRAM, 8 MB Flash memory
- Ethernet 10/100 Mbps
- Real-time clock
- Native BACnet

XP-750 High Performance Controller
- Specification Data No. 5-1-99
- 66 MHz 32-Bit Motorola PowerPC
- 16 MB SDRAM, 8 MB Flash memory
- Ethernet 10/100 Mbps
- Native BACnet

ControlPoint
Supervisory Controller Solution

PRODUCT FEATURES:
- Supervisory controller that provides open, enhanced UI
- Ideal for small to medium-sized buildings, ControlPoint can be used as self-contained stand-alone system or as part of a larger Honeywell Building Manager system
- Specification Data No. 5-1-99

Honeywell ControlPoint® Native BACnet Solution®

PRODUCT FEATURES:
- Native BACnet Application Specific Controller (BACnet B-ASC)
- Advanced, communicating, application-specific controller (ASC) with universal inputs and outputs
- Configurable via Web Pages, Local Display, Network Access Tool, or Field Assistant
- Each controller functions as a master on BACnet, MS/TP LAN for communication with other devices
- ControlPoint supports the following functionality: Universal inputs and outputs, Time-of-day scheduling, Holiday scheduling, Trend logging, PID loop tuning (as used by HVAC), Alarming with 32 Alarm Recipients (as used by Notification Class), Network access (Web Server), Scheduling with Calendar Support, Network access (Web Server), Scheduling with Calendar Support, Network access (Web Server), Scheduling with Calendar Support,